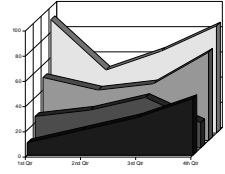


OPERATING EXPERIENCE ANALYSIS



Easy to Use Windows for Accessing ORPS Data

The EH Office of Operating Experience Analysis and Feedback (OEAF) has been aggressively pursuing a windows interface for Occurrence Reporting and Processing System (ORPS) user's querying the system. This will offer you "point and click" capability to search the ORPS database and generate reports and graphs. It is intended to be a quick fix to the burdensome DOS type menu that now exists. (This effort should not be confused with PC Windows for ORPS which has been previously developed for inputting data.) By July 1996 OEAF expects to have the windows interface ready for use. The windows interface will make ORPS much more user friendly for searches and generating reports and graphs. By making it easy to generate reports, the goal is that more people (managers and analysts) will use ORPS data to improve safety.

ORPS Re-engineering

We continue to pursue the total re-engineering of ORPS over the next 15 months including the integration of ORPS with the Computerized Accident/Injury Reporting System (CAIRS). Our short-term focus has been to provide improved users' tools, such as PC ORPS for Windows (available March, 1996) and the windows interface discussed above. Additional re-engineering efforts are focusing on (a) what we collect (categories and thresholds), (b) how people can use the data (reporting and analysis), (c) how much it costs the field to input data, and (d) how the electronic media works (data storage and retrieval, data management, charting/graphing, data integration, and user interface). We will soon be visiting your site to collect your input and ideas.

Computer Macro Eases ORPS Download

We are now able to include a much wider variety of visual presentations of data (charts, graphs) in our analytical products (Operating Experience Weekly Summaries, Safety Notices, management briefings, special reports). This is because of a macro (computer instruction set) which allows ORPS data to be loaded directly into (Excel 5.0) spreadsheets, thus enabling development of graphs, statistical analyses, and overall clearer presentation of analysis information. If you would like a copy of this macro, call or e-mail Dick Trevillian, (301) 903-3074 or Dick.Trevillian@HQ.DOE.GOV.

Normalization of Data

We are attempting to provide more meaningful analysis to make comparisons by normalizing the data, i.e., looking at rates vice gross counts. We sponsored a Normalization Forum in December in Washington, D.C. Although safety professionals acknowledge the usefulness of normalization, few are actually using it. The Forum found that while data is scarce, there are ways to improve the existing collection while gathering new data. For example, with small modifications to the CAIRS database such as inclusion of Standard Industrial Codes (SIC) in the data set, and coordination of labels for facilities between CAIRS and ORPS, better normalization data could be provided for analysis. DOE facilities could also help in identifying existing data that could be used for normalization. Examples of data that could be used for normalization are:

- number of radioactive contamination area entries
- number of special nuclear material movements
- number of hours worked in hazardous exposure areas

- cubic yards of decontamination and decommissioning material removed
- number of maintenance work packages opened and hours worked on each
- dollars expended
- number of units processed (where 'units' depends on the specific process)

Performance Indicator Data System

We intend to provide you access to a performance indicator system much in the same way you access ORPS. You will be able, on-line, to look at DOE's ES&H performance indicators (PI's) or just look at performance indicators for your facilities. The re-engineered DOE ES&H Performance Indicator Program is nearing issuance of its initial quarterly report. Likewise, re-engineering of the existing Performance Indicator Data System (PIDS) is underway. The new PIDS will be developed based on the new Performance Indicator Program and will incorporate new technologies to both electronically collect and display performance indicator data. Specifically, the new PIDS will perform the following functions:

- electronic retrieval of data (from ORPS, CAIRS, Radiation Exposure Monitoring System (REMs) and environmental reports)
- generation of report graphics
- retrieval of site or facility specific data and graphs

You Can Make a Difference!

We are looking for ideas to improve products for our customers. We're changing, and you can help us and yourselves in making operating experience analysis systems the best. Ideas? Suggestions? Call Tom Rollow at 202-586-7449, or fax 202-586-7330, or send Internet e-mail to Tom.Rollow@HQ.DOE.GOV.